

Wednesday, February 5, 2020								
8:00 am - 8:50 am	Opening Session Room 311: Welcome by HWEA President and AWWA Hawaii Section Chair (20 min) Keynote Speaker: Joshua Stanbro, Office of Climate Change, Sustainability, and Resiliency (30 min)						8:00 am - 8:50 am	
TIME	Room 316A	Room 311	Room 312	Room 314	Room 315	Exhibit Hall Kamehameha II	TIME	
9:00 am – 9:45 am	1. Water Quality Plan: The Interactions and Linkages for Groundwater Quality Daniel Chang DOH SDWB	2. RESET: Working and Partnering with ENV Wastewater Engineering and Construction Wes Yokoyama ENV	3. Water System Risk Management and Emergency Preparedness Planning in Oahu Judy Nishimoto & Dominic Dias CDM Smith & Honolulu BWS	4. Designing a New Water Reclamation Facility for the City of Salt Lake City Keith Sears AECOM	5. Silicon Carbide Membranes for Water Reuse Applications Ashwini Khare Ovivo	6. Hydraulics and Troubleshooting of an RP Backflow Assembly Sean Perry Watts	PIPE TAPPING AND OPS CHALLENGE EVENTS	9:00 am – 9:45 am
BREAK 9:45 - 10:30 am – Coffee and Tea (Kamehameha Exhibit Hall II)								
10:30 am – 11:15 am	7. Corrosion Control, What are the Options? Glenn Willson V&A Consulting Engineers	8. How Los Osos Delivered as Sustainable Septic Tank Conversion Program John Waddell and Lou Carella Carollo Engineers, Inc.	9. Update of the Water Resource Protection Plan 2019 Neal Fujii Hawaii Commission on Water Resource Management	10. Soil Aquifer Treatment Applications and Performance Robert Beggs Brown and Caldwell	11. Getting the Most Out of Underground Locating and Augmented Reality Capabilities James Kim CDM Smith	12. ZeeLung – An Innovative & Sustainable Solution to Augment WW Plant Performance Niclas Astrand SUEZ - Water Technologies & Solutions		10:30 am – 11:15 am
11:15 am – 12:00 pm	13. Saving Energy and Money through Better WWTP Mixing Michele Braas Xylem	14. Operational Considerations for Low Dissolved Oxygen Operation in WWRFs Don Esping Brown and Caldwell	15 Maui Department of Water Supply: How Are We Doing? Jeffrey Pearson County of Maui DWS	16. Demonstrating the Benefits of Soil Aquifer Treatment Using Soil Columns Bryan Trussell Trussell Technologies	17. Targeting Investments in Source Watershed Protection and Restoration Leah Bremer & Nate DeMaagd UHERO	18. HDPE Pipe Fusion and Why it's the Industry's Best Choice Paul Leonard Pacific Pump & Power	11:15 am – 12:00 pm	
LUNCH 12:00 - 1:30 (Kamehameha Exhibit Hall II)								
1:30 pm – 2:15 pm	19. Design and Operation of a Low Pressure Sewer System Considering Operation Costs Scott Hansen Zoeller Engineered Products	20. Demonstration of Biofiltration as an Advanced Primary Treatment Technology Onder Caliskaner Kennedy/Jenks Consultants	21. One Water in Practice, Part 1: National Perspective & Planning/Monitoring Tools Dave Ebersold, Dan Rodrigo, Bill Fernandez CDM Smith	22. Water Research Foundation's Water Reuse Research Efforts Kati Bell on behalf of Brenley McKenna Brown and Caldwell/WRF	23. Managing Your Plant Knowledge in a Digital Age David Harward Ovivo	24. Wipes Out the Wipes Conference Dave Barkey JWC	TOP OPS AND OPS CHALLENGE EVENTS	1:30 pm – 2:15 pm
2:15 pm – 3:00 pm	25. Sewage Pump Station Asset Management Program Provides Data to Reduce O&M Costs Chuck Miller Smith and Loveless	26. Alternatives and Effects of Cesspool Upgrade Alternatives in Upcountry Maui Roger Babcock UH CEE/WRRC	27. One Water in Practice, Part 2: Hawaii Perspectives & Panel Discussion Barry Usagawa, Christin Reynolds, Dan Rodrigo, Bill Fernandez, Dave Ebersold	28. Morro Bay OneWater Approach Results in California's First MBR-Based Potable Reuse Eric Casares Carollo Engineers, Inc.	29. Cybersecurity through Obscurity Janine Nielsen Rockwell Automation	30. Managing Energy Intensity through Efficient Valve Utilization Timothy Fallon Henry Pratt Company		2:15 pm – 3:00 pm
BREAK 3:00 - 3:30 pm – Coffee, Tea, and Raffle Prizes (Kamehameha Exhibit Hall II)								
3:30 pm – 4:15 pm	31. When SBR met SND: Reinventing SBR w/ Simultaneous Nitrification-Denitrification Brian Tierney Evoqua Water Technologies	32. Proposed Best Practice in Civil Design of Multi-Channel UV Applications Dusko Antonio Kezele Trojan Technologies	33. OCCSR Updates Matt Gonser Office of Climate Change, Sustainability, and Resiliency	34. The ABC's of UV-AOP for Drinking Water and Potable Reuse Kati Bell Brown and Caldwell	35. The Efficiency of an Emergency Matt Chapman HDR Inc.	36. Reduce Your Valve Vault Footprint Chris Sundberg Victaulic	X	3:30 pm – 4:15 pm
4:15 pm – 5:00 pm	37. NO-DES Presents: New Water Main Cleaning Tech to End Wasteful Flushing Practices Chris Wilkinson NO-DES, Inc	38. Let's Go Bananas: Advanced Technologies for Municipal and Industrial Water Reuse Jared Alder De Nora Water Technologies	39. Building Water Resilience in Honolulu's Urban Core Lauren Roth Venu Roth Ecological Design, Int.	40. The Application of Membrane Bioreactors in Potable Water Reuse Stephen Katz SUEZ - Water Technologies & Solutions	41. Hawaii Small Systems Water and Wastewater Agency Response Network (HI-SWARN) Juanita Reyher-Colon Hawaii Rural Water Association	42. Everything You Wanted to Know About Air Valves Kim Sorensen ARI USA		4:15 pm – 5:00 pm
MEET AND GREET RECEPTION 5:00 pm (Kamehameha Exhibit Hall II)								

Color Key: Water Wastewater Water/Wastewater Stormwater

Thursday, February 6, 2020

TIME	Room 316A	Room 311	Room 312	Room 314	Room 315	Exhibit Hall Kamehameha II	TIME
8:00 am – 8:45 am	43. Wastewater BOC Meeting	44. Commissioning a Treatment Plant for a Future Owner: The Story of Tehaleh Christopher Stoll <i>Kennedy/Jenks Consultants</i>	45. CIP Planning is No Longer a Whale of a Process Mark Zito <i>CDM Smith</i>	46. From Old to New, the Iao Surface Water Treatment Plant Upgrades Project Lisa Appelgate <i>Austin, Tsutsumi & Associates, Inc.</i>	47. Water Accounting for the State of Hawaii: Results from Oahu and Maui Kirsten Oleson <i>University of Hawaii Manoa</i>	48. Inside-Out and Outside-In: Two Filter Technologies Together at Last Jimmy Speigner <i>Evoqua Water Technologies</i>	8:00 am – 8:45 am
8:45 am – 9:30 am	49. Wastewater BOC Meeting	50. Ship Canal Water Quality Project - New Infrastructure in Old Neighborhoods Bruce Ball & Milo Smith <i>Brown and Caldwell</i>	51. Regulatory Update on Lead in Drinking Water Michael Miyahira <i>DOH SDWB</i>	52. Demonstration Projects to Catalyze Water Innovation Kim Baker <i>Elemental Excelsior</i>	53. Estimating Irrigation Water Use in Hawaii through a Water-Budget Approach Sarah Rosa <i>USGS, Pacific Islands Water Science Center</i>	54. Chemical Metering Pumps, Accessories, and Systems Rich Hopkins <i>Hopkins Technical Products, Inc.</i>	8:45 am – 9:30 am
BREAK 9:30 - 10:15 am – Coffee, Tea, and Raffle Prizes (Kamehameha Exhibit Hall II)							
10:15 am – 11:00 am	55. WebGIS: Mobile Workflows Supporting Field and Office Staff Suzanne Timani & Christa Campbell <i>ESRI</i>	56. Dynamic Simulation for Step Feed Aeration Influent Flow Control at Lahaina WWRP Lionel Wood & Juan Rivera <i>Jacobs and COM DWS</i>	57. Superheroes in the Water Crisis: Forum on Reliable Water and Sanitation Services Moderator: Adrienne Fung <i>AECOM</i>	58. SWPPP and Construction BMP Inspections Brittany Cody <i>Hart Crowser</i>	59. How Intense Do You Want to Be? Spotlight on Wastewater Intensification Processes Andrew Gilmore <i>Carollo Engineers, Inc.</i>	60. Modern Ductile Iron Pipe Restrained Joints: A Successor to Thrust Blocks Adam R. Martin <i>U.S. Pipe</i>	10:15 am – 11:00 am
11:00 am – 11:45 am	61. Cloth Media Filters Provide a Compact & Cost Effective Approach to Primary Treatment Jim Georger <i>Kruger, Inc.</i>	62. RESCUing Silicon Valleys' WW Conveyance System Using Progressive Design Build Bernadette Visitation <i>Brown and Caldwell</i>	63. County of Maui DOW Implements On-site Chlorine Generation Retrofit in 45 Days Tony Linder & Rob Crow <i>Maui DWS & AqueoUS Vets</i>	64. Hawaii Sourced Storm Water Treatment Materials Alicia Nakano <i>Kennedy/Jenks Consultants</i>	65. Exploring Recharge Changes with the Web-Based Hawaii Groundwater Recharge Tool Travis Hylton & Leah Bremer <i>USGS & UH Manoa</i>	66. Emerging Renewal Technologies for Pressurized Pipelines Bradley Conder <i>Aegion Corporation</i>	11:00 am – 11:45 am
LUNCH, EXHIBITS, AND NETWORKING BREAK 11:45 - 1:45 pm (Kamehameha Exhibit Hall II)							
1:45 pm – 2:30 pm	67. Nitrate Treatment for Drinking Water - Technology Comparison Cathy Swanson <i>Purolite</i>	68. Right Now: The Best Time to Be in Water Thomas Kunez <i>WEF Immediate Past President</i>	69. NSF-61, What is it, Why is it Beneficial, and how it Tackles Pb & Extractables Theresa Bellish <i>NSF International</i>	70. Stormwater Infrastructure Condition Assessment - Quick and Dirty Fiona van Ammers & Mark Poppe <i>Brown and Caldwell</i>	71. AWWA Initiatives: Looking to the Future Aurel Arndt <i>AWWA Treasurer</i>	OPS CHALLENGE EVENTS	1:45 pm – 2:30 pm
2:30 pm – 3:15 pm	72. How Did One Pathwinder Conveyor Replace Two Screw Conveyors? Rob Nusz <i>Serpentix</i>	73. Co-Digestion: Demonstration of Preprocessing Technology and Digester Performance Ganesh Rajagopalan <i>Kennedy/Jenks Consultants</i>	74. Rapid Small-Scale Column Testing (RSSCT) for Removal of PFAS Jennifer Hooper <i>CDM Smith</i>	75. The Evolution of Stormwater Quality Planning at the Torrance Airport Jim Rasmus <i>Carollo Engineers, Inc.</i>	76. Status of Chlorate Regulation in US & Impact at Water Treatment Plants Robert F. Newton <i>De Nora Water Technologies</i>		2:30 pm – 3:15 pm
3:15 pm – 4:00 pm	77. Small Water Systems Roundtable Joy Gannon <i>Pulama Lanai</i>	78. Design of Sand Island WWTP's Secondary Treatment Expansion Jordan Fahmie <i>AECOM</i>	79. Israel - Hawaii Water Initiative - Big Data Collected from Wastewater Gili Elkin and Ari Goldfarb <i>KANDO</i>	80. Developing Common Protocols for Monitoring Erosion Control Projects Kim Falinski <i>Nature Conservancy</i>	81. DMA Based Pilot Water Loss Control Program Reinhard Sturm & Vincent Pangelinan <i>Water Systems Optimization & Guam Waterworks Authority</i>		3:15 pm – 4:00 pm
4:00 pm – 4:45 pm		HWEA General Membership Meeting	AWWA General Membership Meeting				4:00 pm – 4:45 pm
BANQUET 5:00 pm (ROOM 313ABC)							

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